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easily obtained by replacing the objective.

(57) Abstract:

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PURPOSE: To position the mutual observation direction between two stereoscopic observation optical systems freely by coupling the 2nd stereoscopic observation optical system with an objective through an optical axis deflecting means provided nearby the 1st stereoscopic observation optical system.

CONSTITUTION: A main inspecting person observes an object part through one group of zoom lenses 2a and 2b, oculars 4a and 4b, and the objective and a subordinate inspecting person observes it through another group of zoom lenses, oculars, and the optical path deflecting prism 5. The optical axis O of the lens 1 and the center line M of the main observation system are eccentric, and the main and subordinate inspecting persons observe it in directions T and U respectively to obtain their use areas A and Aa; and the hatched area above the lens 1 is a free area, wherein a lighting optical system is arranged. The use areas and lighting area are arrayed efficiently above the lens 1 to reduce the external diameter of the lens and preclude stray light. Further, only one objective is required for the subordinate optical system, so different operation distance is

